Amendment dated November 14, 2005

Reply to Office Action mailed August 24, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in this application.

Listing of Claims:

1. (Currently Amended) A process for converting oxygenate to olefins which comprises: contacting a feedstock comprising oxygenate with a catalyst comprising a molecular sieve under conditions effective to produce a deactivated catalyst having carbonaceous deposits and a product comprising said olefins;

separating said deactivated catalyst from said product to provide a separated vaporous product which contains catalyst fines;

quenching said separated vaporous product with a liquid medium containing water and catalyst fines, in an amount sufficient for forming a light product fraction comprising light olefins and catalyst fines and a heavy product fraction comprising water, heavier hydrocarbons and catalyst fines;

treating said light product fraction by contacting with a liquid oxygenate substantially free of catalyst fines to provide a light product fraction having reduced catalyst fines content and a liquid fraction of increased fines content, said liquid oxygenate substantially free of catalyst fines being selected from the group consisting of methanol and cthanol;

compressing said light product fraction having reduced catalyst fines content; and recovering said light olefins from said compressed light product fraction.

- 2. (Currently Amended) The process of claim 1 wherein said liquid oxygenate substantially free of catalyst fines is selected from the group consisting of methanol and ethanol.
- 3. (Original) The process of claim 1 wherein said liquid oxygenate substantially free of catalyst fines is at least a portion of said feedstock comprising oxygenate.
- 4. (Original) The process of claim 3 wherein said feedstock comprising oxygenate is heated by

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said treating.

5. (Original) The process of claim 4 wherein said heated feedstock comprising oxygenate is

contacted with said catalyst comprising a molecular sieve.

6. (Currently Amended) The process of claim 1 wherein said liquid oxygenate substantially free

of catalyst fines is contained in by-product water from said contacting of the oxygenate with said

catalyst, which by-product water is condensed in a recovery unit and treated to reduce catalyst

fines content.

7. (Original) The process of claim 1 wherein said oxygenate comprises methanol.

8. (Original) The process of claim 1 wherein said liquid medium containing water is derived

from quench tower bottoms.

9. (Original) The process of claim 8 wherein said quench tower bottoms are passed through at

least one of a quench heat exchange step and a water-methanol separation step before being

cycled to said quench tower.

10. (Original) The process of claim 1 wherein said quenching takes place in a quench tower

wherein said liquid medium containing water is introduced above where said separated vaporous

product is introduced, and said treating of said light product fraction by contacting with a liquid

oxygenate substantially free of catalyst fines occurs within the quench tower above where said

liquid medium containing water is introduced.

11. (Original) The process of claim 10 wherein a liquid draw device is placed above where the

liquid medium containing water is introduced, from which liquid draw device said liquid fraction

of increased fines content is taken; and said liquid oxygenate substantially free of catalyst fines is

introduced at a point above said liquid draw device.

12. (Original) The process of claim 10 wherein said liquid draw device is a chimney tray.

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13. (Original) The process of claim 11 wherein a vapor-liquid contacting surface is placed between said liquid draw device and where said liquid oxygenate substantially free of catalyst fines is introduced.

- 14. (Original) The process of claim 13 wherein said vapor-liquid contacting surface is provided by at least one material selected from the group consisting of random packing, structured packing and trays.
- 15. (Original) The process of claim 14 wherein a demisting device is placed above where said liquid oxygenate substantially free of catalyst fines is introduced.
- 16. (Original) The process of claim 1 wherein said quenching takes place in a quench tower wherein said liquid medium containing water is introduced above where said separated vaporous product is introduced, and said treating of said light product fraction occurs downstream of said quench tower.
- 17. (Original) The process of claim 1 wherein said quenching takes place in a quench tower and said treating of said light product fraction at least partially occurs downstream in a suction drum.
- 18. (Original) The process of claim 1 wherein said quenching takes place in a quench tower and said treating of said light product fraction at least partially occurs downstream of said quench tower in a first stage suction drum.
- 19. (Original) The process of claim 17 wherein a vaporous effluent from said quench tower is directed to a suction drum intake from which liquid is removed below said intake and a vaporous overhead taken from the top of said suction drum which is directed to said compressing step.
- 20. (Original) The process of claim 19 wherein said liquid oxygenate substantially free of catalyst fines is introduced to said suction drum above said suction drum intake.
- 21. (Currently Amended) The process of claim 20 wherein said liquid oxygenate substantially free of catalyst fines is selected from the group consisting of methanol and ethanol.

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- 22. (Original) The process of claim 20 wherein said liquid oxygenate substantially free of catalyst fines is at least a portion of said feedstock comprising oxygenate.
- 23. (Currently Amended) The process of claim 20 wherein said liquid oxygenate substantially free of catalyst fines is contained in by-product water from said contacting of the oxygenate with said catalyst, which by-product water is condensed in a recovery unit and treated to reduce catalyst fines content.
- 24. (Original) The process of claim 20 wherein said feedstock comprising oxygenate comprises methanol.
- 25. (Original) The process of claim 20 wherein a vapor-liquid contacting surface is placed between where said liquid oxygenate substantially free of catalyst fines is introduced to said suction drum and said suction drum intake.
- 26. (Original) The process of claim 25 wherein said vapor-liquid contacting surface is provided by at least one material selected from the group consisting of random packing, structured packing and trays.
- 27. (Original) The process of claim 1 wherein said molecular sieve is selected from the group consisting of ALPO-18, ALPO-34, SAPO-17, SAPO-18, SAPO-34, and SAPO-44 and substituted groups thereof.
- 28. (Original) The process of claim 1 wherein said molecular sieve is SAPO-34.
- 29. (Original) The process of claim 1 wherein said liquid medium containing water and catalyst fines contains at least about 0.01 wt% catalyst fines and said liquid oxygenate substantially free of catalyst fines contains less than about 0.01 wt% catalyst fines.
- 30. (Original) The process of claim 1 wherein said liquid medium containing water and catalyst fines contains at least about 0.001 wt% catalyst fines and said liquid oxygenate substantially free of catalyst fines contains less than about 0.001 wt% catalyst fines.

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31. (Original) The process of claim 1 wherein said liquid medium containing water and catalyst fines contains at least about 0.0001 wt% catalyst fines and said liquid oxygenate substantially free of catalyst fines contains less than about 0.0001 wt% catalyst fines.

Claims 32-53 (Canceled)